



FROM VISION TO DECISION

## SEMINAR FRIDAY 08.06.2015

**PLACE:** Auditorium B301, Sentralblokken,  
Haukeland University Hospital

**TIME** : 15:30 – 16:30

### SPEAKERS/TITLE

**Dr. Ole J. Mengshoel**, Associate Research Professor,  
Carnegie Mellon University, Silicon Valley, USA

**Title:** Modeling, Visualizing, and Computing with Networks  
and Graphs



### ABSTRACT

Networks and graphs of dramatically varying types and sizes have, over the last few years, taken the center stage in computing research and applications. This talk will touch upon challenges and results related to modeling, visualization, and computing with networks and graphs.

Research on networks and graphs, including probabilistic graphical models and Bayesian networks, have enjoyed significant progress in recent years. Probabilistic graphical models have also been successfully applied, for example in model-based diagnosis, medicine, biology, probabilistic risk analysis, intelligence analysis, and error correction coding. In addition to being well-suited to automated analysis, such probabilistic graphical models along with other network models are very useful in structuring visualizations that aid developers, engineers, professionals, scientists, students, and users. In this talk, I will discuss recent progress on modeling, visualizing, and computing with networks and graphs.

